

ACE-N622-TX2 CARRIER BOARD AND TEGRA PROCESSORS

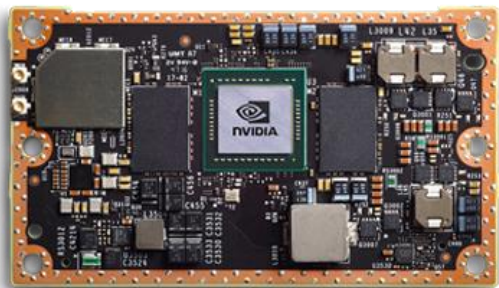


FEATURES: ACE-N622

- Designed specifically for computation-intensive and low-power envelope AI computing
- Support driver-ready extension peripheral modules for I/O expansion easily and quickly
- On-board 1x HDMI, 2x CAN Bus, 4x GPIO, 1x RS232, 1xI2C and 2x Full-Mini Cards to support rich multimedia
- Extended temperature range -20°C to 70°C
- Suitable for general robotics, UAV, industrial inspection, medical imaging and deep learning

FEATURES: NS0-MD-TX2

- Powered by NVIDIA TEGRA X2 processor -the powerful new NVIDIA Pascal™ architecture, 256 GPU cores, a 64-bit CPU.
- CPU complex combines a dual-core NVIDIA Denver 2 alongside a quad-core ARM Cortex-A57
- Balanced power envelope suitable for mobile/embedded environments.
- Support H.265 video decode and encode.
- Ideal for Intelligent Video Analytics(IVA), Telepresence, Drones, Robotics, Gaming Devices, Virtual Reality(VR), Augmented Reality(AR), Portable Medical Devices.



SPECIFICATIONS

Form Factor	Nano-ITX (120 x 120 mm)
Support Module	NVIDIA Jetson TX2 Module (87 x 50mm) NVIDIA Jetson TX1 Module (87 x 50mm)
I/O Interface	1x HDMI Type A 1x RJ-45 for GbE 2x USB3.0 Type A 1x USB2.0 Micro AB 1x Full-Mini Card (PCI Express x1 & USB2.0) 1x Full-Mini Card (PCIExpressx1ormSATA) 2x CAN BUS1 1x Front Panel 1x 4pin12V output 1x 4pin 5V output 1x RS-232 / 1 x UART / 1 x I2C / 4 x GPIO 1 x DC-in 12V~19V
Operating Temperature	0°C ~ +55°C (Standard Version) -20°C ~ +70°C (Extended temperature)
Operating Humidity	10% ~ 90%
Storage Temperature	-40°C ~ +125°C

SPECIFICATIONS

Processor	NVIDIA TegraX2 HMP Dual Denver 2/2 MB L2 +Quad ARM® A57/2 MB L2
Graphics	NVIDIA Pascal™, 256 CUDA cores 1.5TeroFLOPS
Memory	8GB 128bit LPDDR4
Mass Storage	32GB eMMC5.1 Flash
LAN Port	Gigabit Ethernet WiFi/BT antenna connectors
PMIC	Thermal Transfer Plate 400-pin board-to-board connector*
Power Supply	+19VDC
Dimensions	87 mm x 50 mm
Operating Temperature	0°C ~ +55°C (Standard Version) -20°C ~ +70°C (Optional)
Operating Humidity	10% ~ 90%
Storage Temperature	-40°C ~ +125°C

*All product specifications and product images are subject to change without notice.